

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare:
 that I verily believe myself to be the original, first and sole (if only one individual inventor is listed below) or an original, first and joint inventor (if more than one individual inventor is listed below) of the invention in

DIRECT CURRENT VIBRATION MOTOR AND ARMATURE STRUCTURE

the specification of which is attached hereto unless the following box is checked.

was filed on _____ as United States Application
 or PCT International Application No. _____, and
 was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information of which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 35 U.S.C. 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

<u>Country</u>	<u>Category</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Priority Claim</u>
Japan	Patent	2000-027595	February 4, 2000	Yes
Japan	Patent	2000-313882	October 13, 2000	No
Japan	Patent	2000-373386	December 7, 2000	No

And I hereby appoint John H. Mion (Reg. No. 18,879), Donald E. Zinn (Reg. No. 19,046), Thomas J. Macpeak (Reg. No. 19,292), Robert J. Seas, Jr. (Reg. No. 21,092), Darryl Mexic (Reg. No. 23,063), Robert V. Sloan (Reg. No. 22,775), Peter D. Olexy (Reg. No. 24,513), J. Frank Osha (Reg. No. 24,625), Waddell A. Biggart (Reg. No. 24,861), Robert G. McMorrow (Reg. No. 19,093), Louis Gubinsky (Reg. No. 24,835), Neil B. Siegel (Reg. No. 25,200), David J. Cushing (Reg. No. 28,703), John R. Inge (Reg. No. 26,916), Joseph J. Ruch, Jr. (Reg. No. 26,577), Sheldon I. Landsman (Reg. No. 25,430), Richard C. Turner (Reg. No. 29,710), Howard L. Bernstein (Reg. No. 25,665), Alan J. Kasper (Reg. No. 25,426), Kenneth J. Burchfield (Reg. No. 31,333), Gordon Kit (Reg. No. 30,764), Susan J. Mack (Reg. No. 30,951), Frank L. Bernstein (Reg. No. 31,484) and Mark Boland (Reg. No. 32,197), each of whose address is 2100 Pennsylvania Avenue, N.W. Washington, D.C. 20037-3202, or any one of them, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent & Trademark Office connected therewith, and request that correspondence be directed to Sughrue, Mion, Zinn, Macpeak and Seas, 2100 Pennsylvania Avenue, N.W. Washington, D.C. 20037-3202.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DECLARATION FOR PATENT APPLICATION

I declare further that my citizenship, residence and mailing address are as stated below next to my name:

Inventor: (Signature)

Date _____

Residence and mailing address

Date: January 15, 2001

Citizen of: Japan

2-10-7, Ikehana, Yotsukaido-shi,
Chiba-ken, Japan

Katsuhisa Matsuura

Katsuhisa Matsuura

Moritaka Goto

Moritaka Goto

Date: January 15, 2001

Citizen of: Japan

3-7-17, Chishirodaikita, Wakaba-ku,
Chiba-shi, Chiba-ken, Japan

Minoru Makiyo

Minoru Makiyo

Date: January 15, 2001

Citizen of: Japan

461-70, Ni Yachimata, Yachimata-shi,
Chiba-ken, Japan

Yoshitomo Uno

Yoshitomo Uno

Date: January 18, 2001

Citizen of: Japan

1-9-6, Muramoto, Kamitogawa,
Kuroishi-shi, Aomori-ken, Japan

Takashi Susukida

Takashi Susukida

Date: January 16, 2001

Citizen of: Japan

718-20, Shikawatashi,
Yotsukaido-shi, Chiba-ken, Japan

Toshiyuki Ogawa

Toshiyuki Ogawa

Date: January 16, 2001

Citizen of: Japan

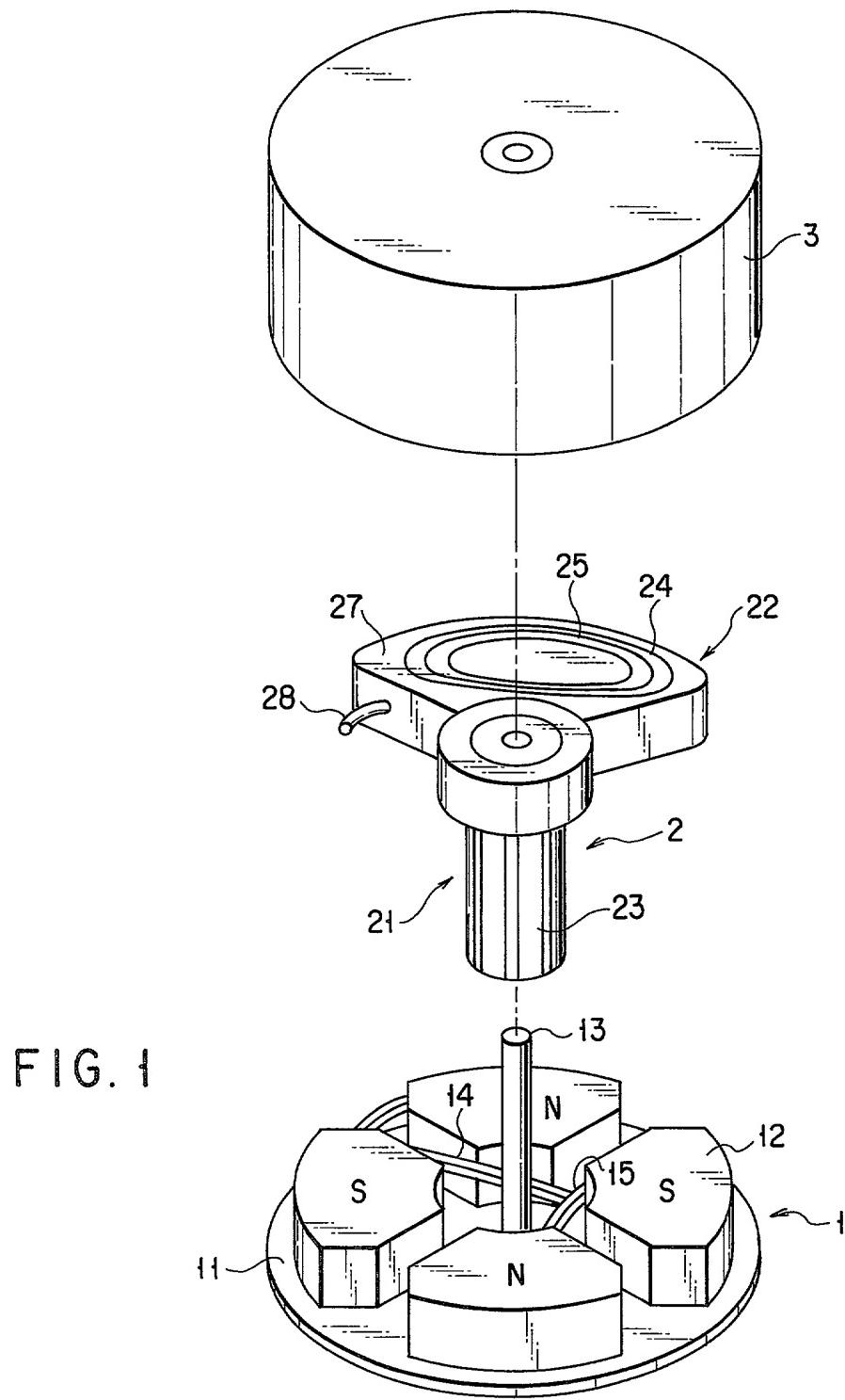
293-6, Takenosato, Matsuomachi,
Sambu-gun, Chiba-ken, Japan

Date: _____

Citizen of: Japan _____

Date: _____

Citizen of: Japan _____



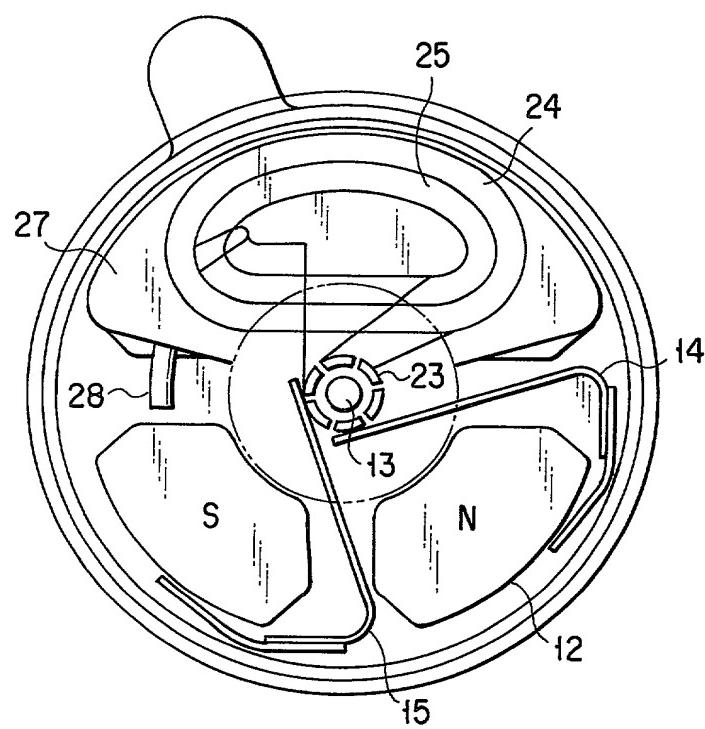


FIG. 2

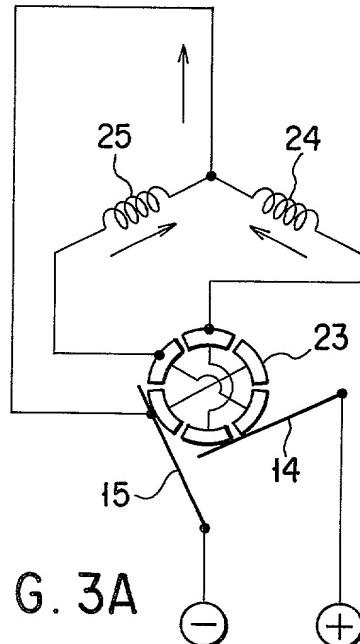


FIG. 3A

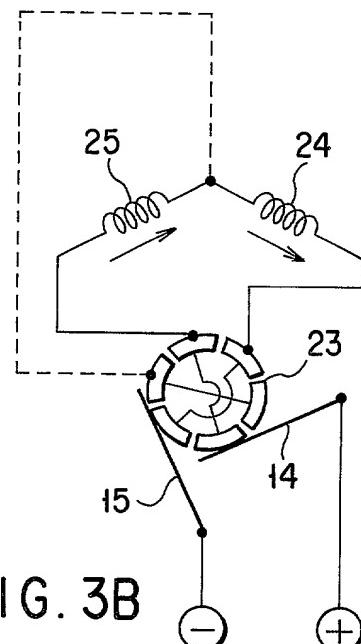


FIG. 3B

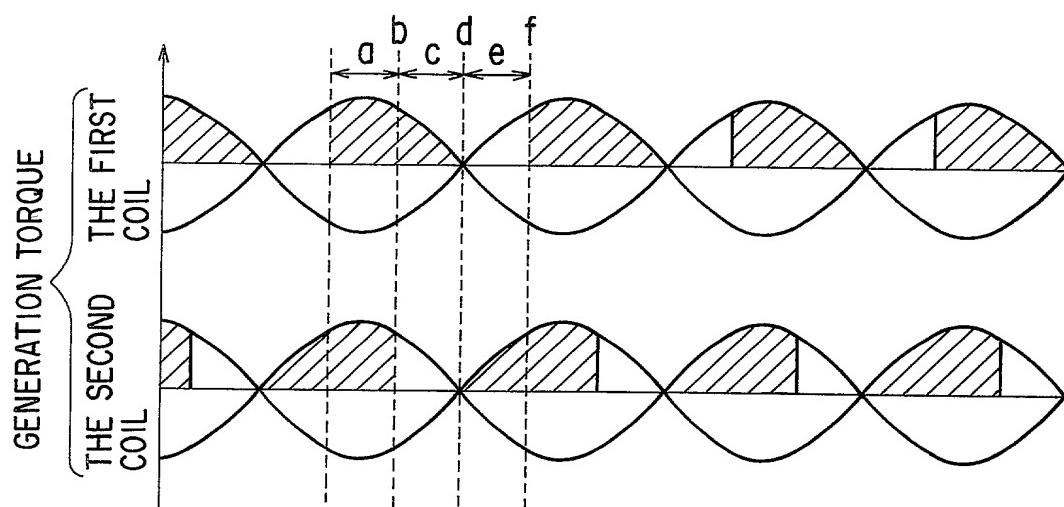


FIG. 4

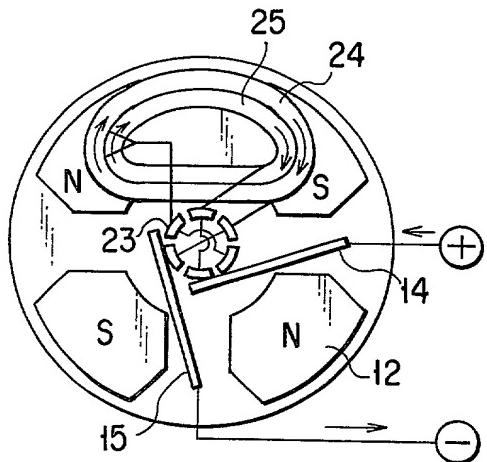


FIG. 5A

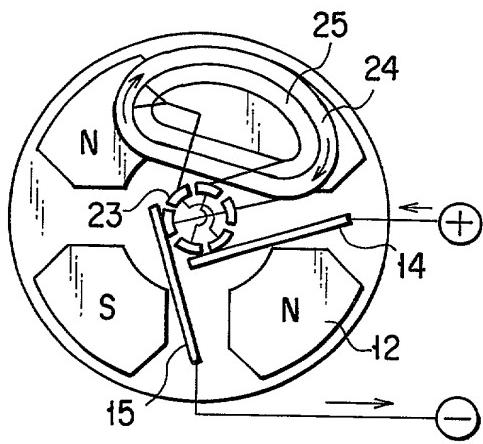


FIG. 5B

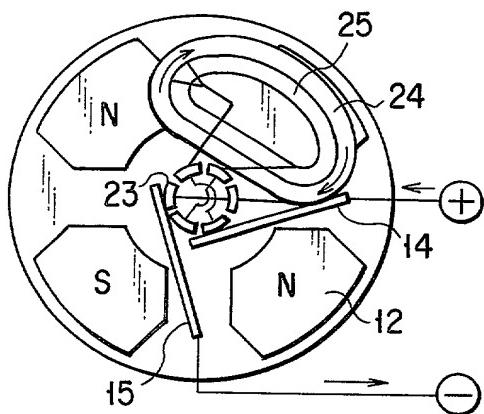


FIG. 5C

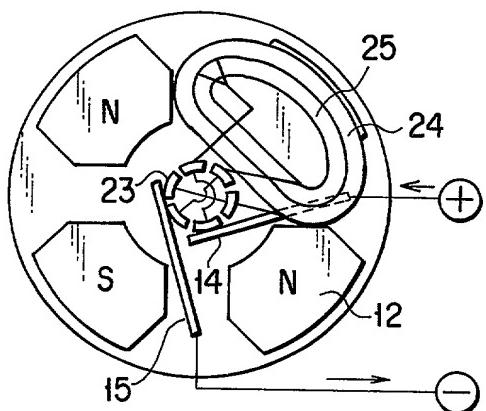


FIG. 5D

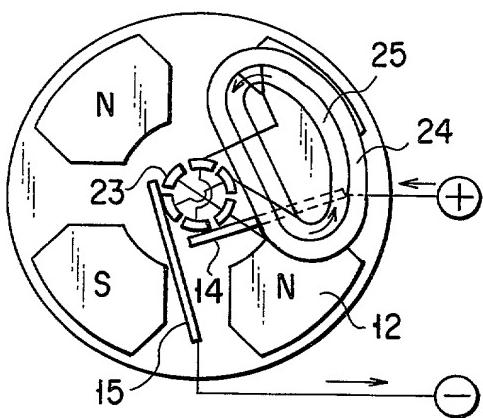


FIG. 5E

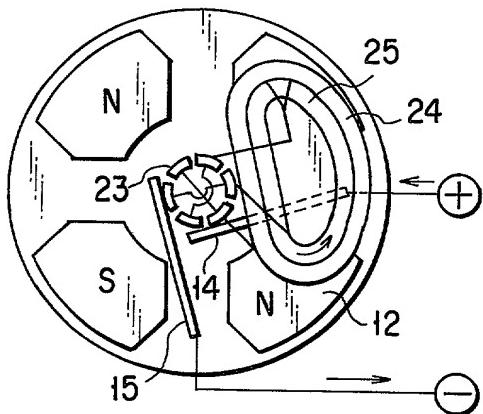


FIG. 5F

102020 069574/260

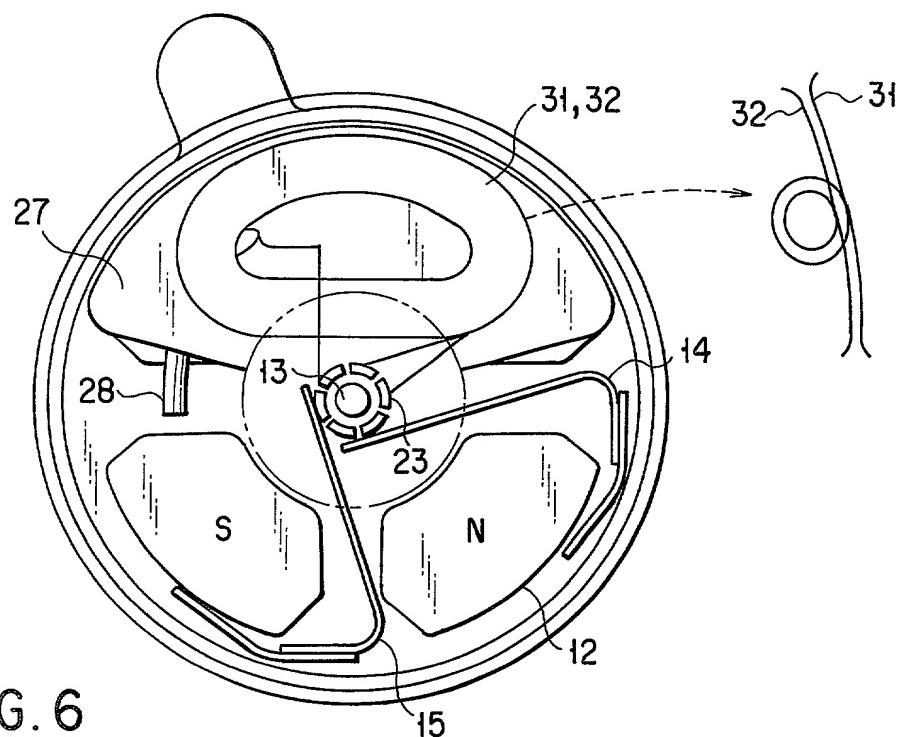


FIG. 6

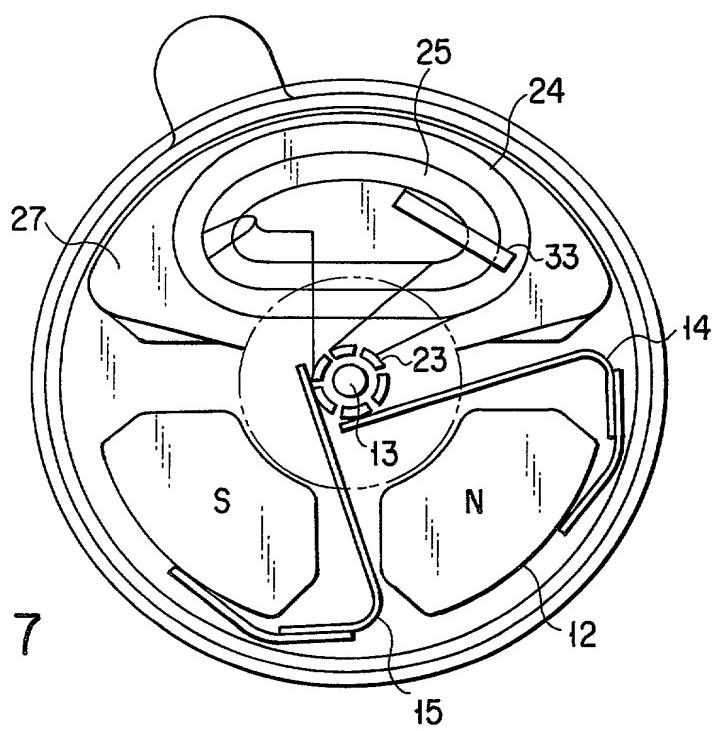


FIG. 7

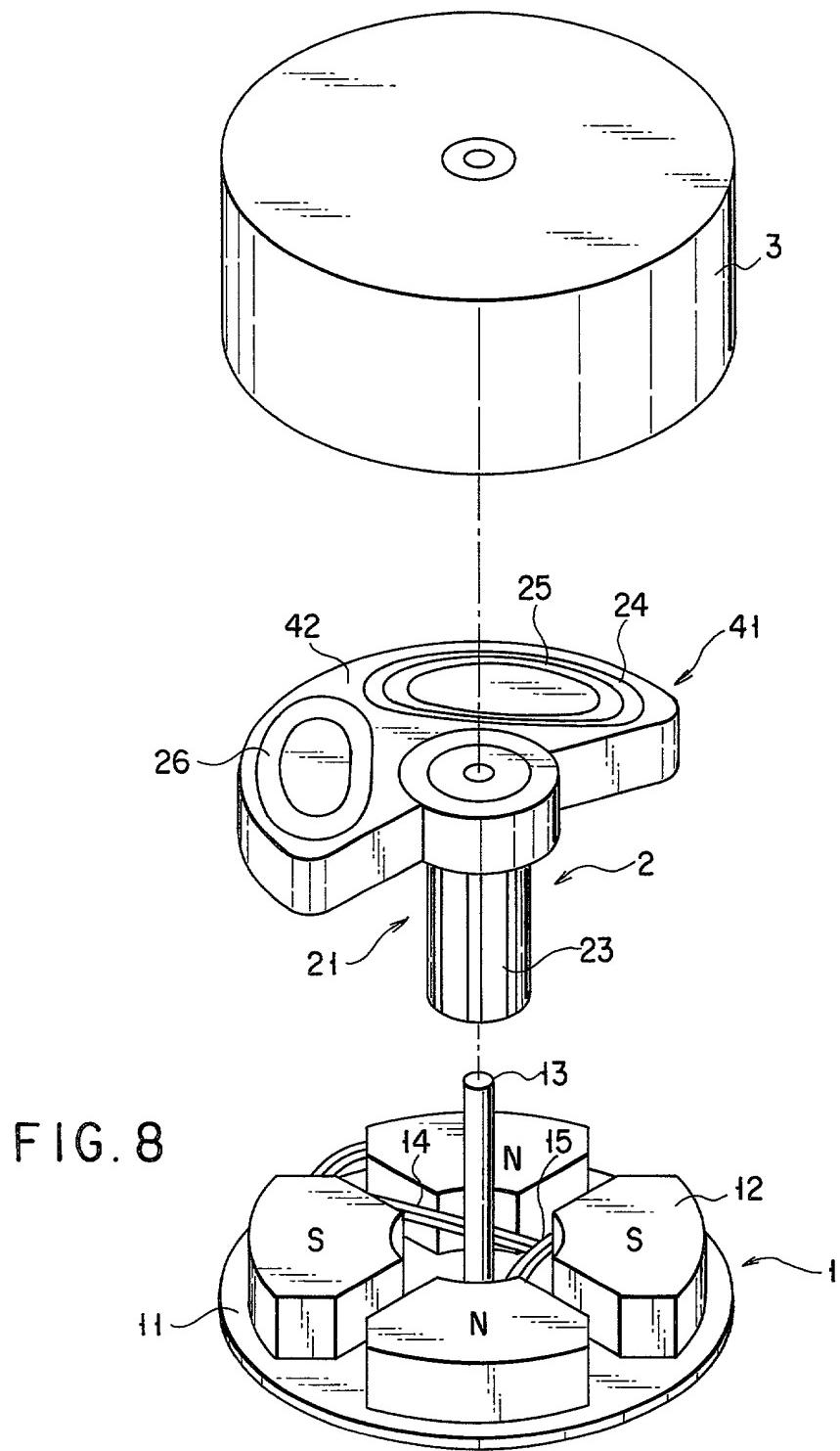


FIG. 8

43673662 "020203

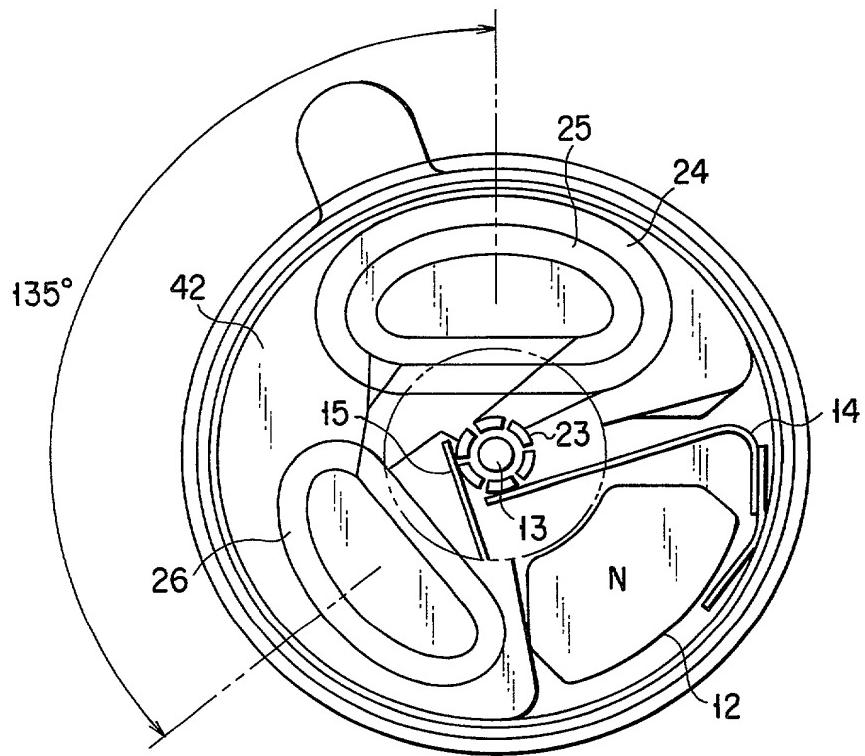


FIG. 9

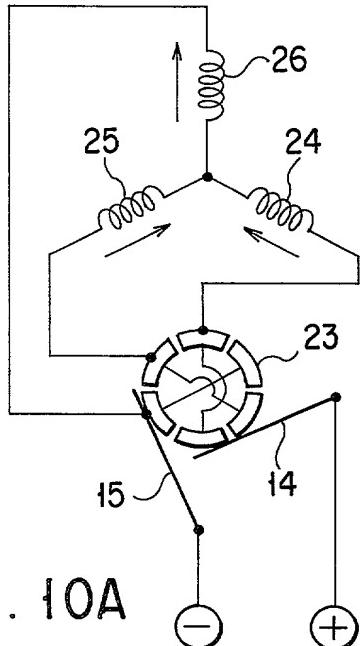


FIG. 10A

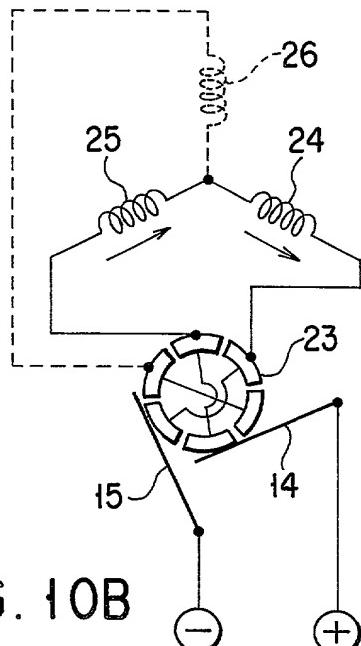


FIG. 10B

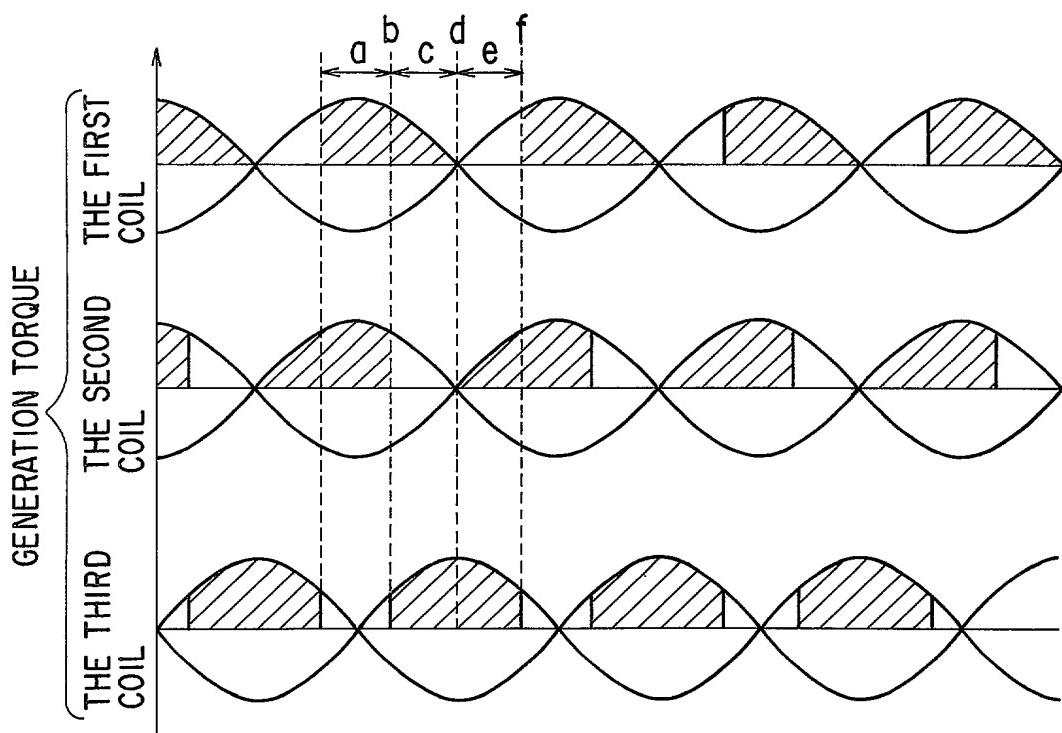


FIG. 11

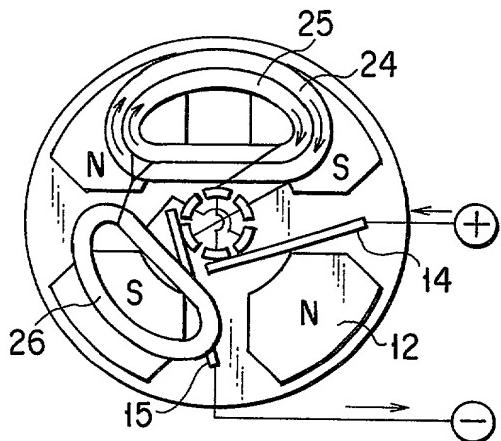


FIG. 12A

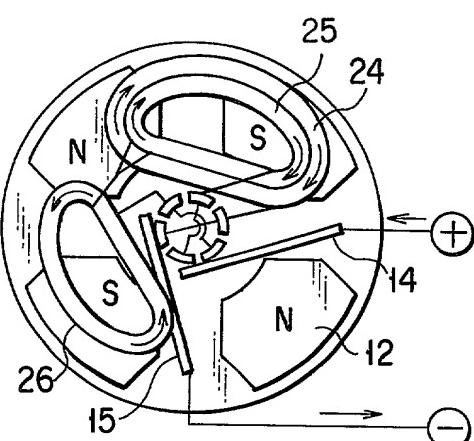


FIG. 12B

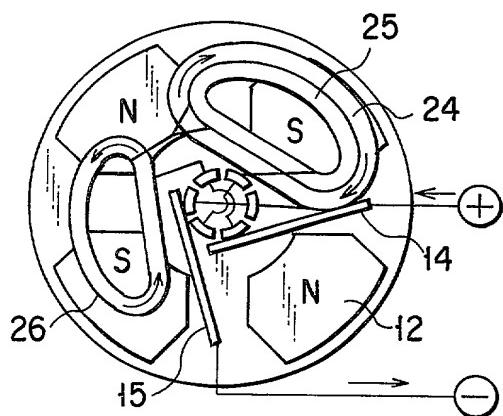


FIG. 12C

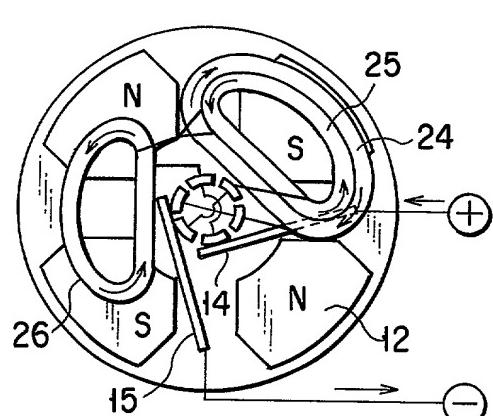


FIG. 12D

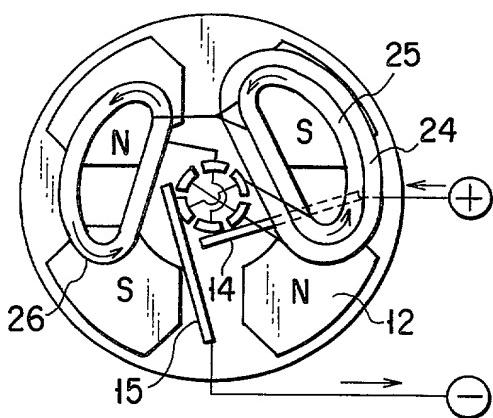


FIG. 12E

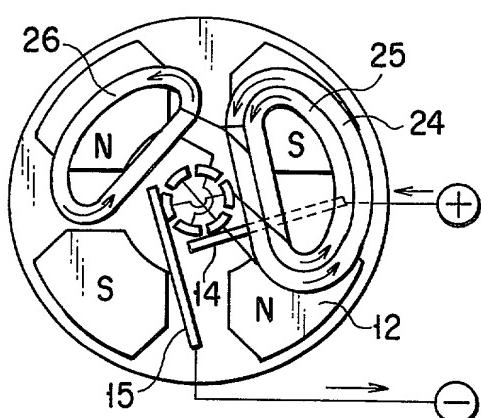
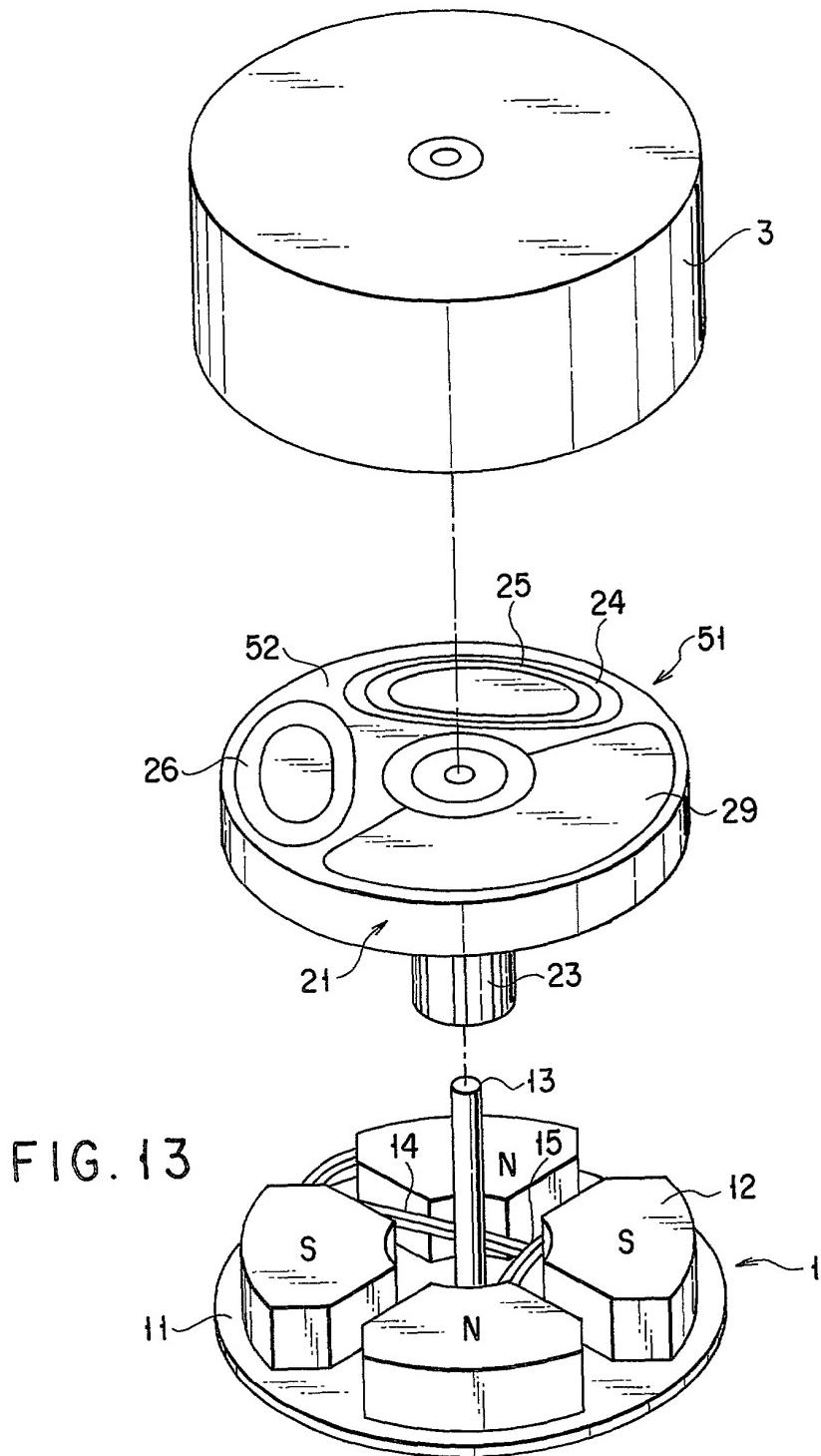


FIG. 12F



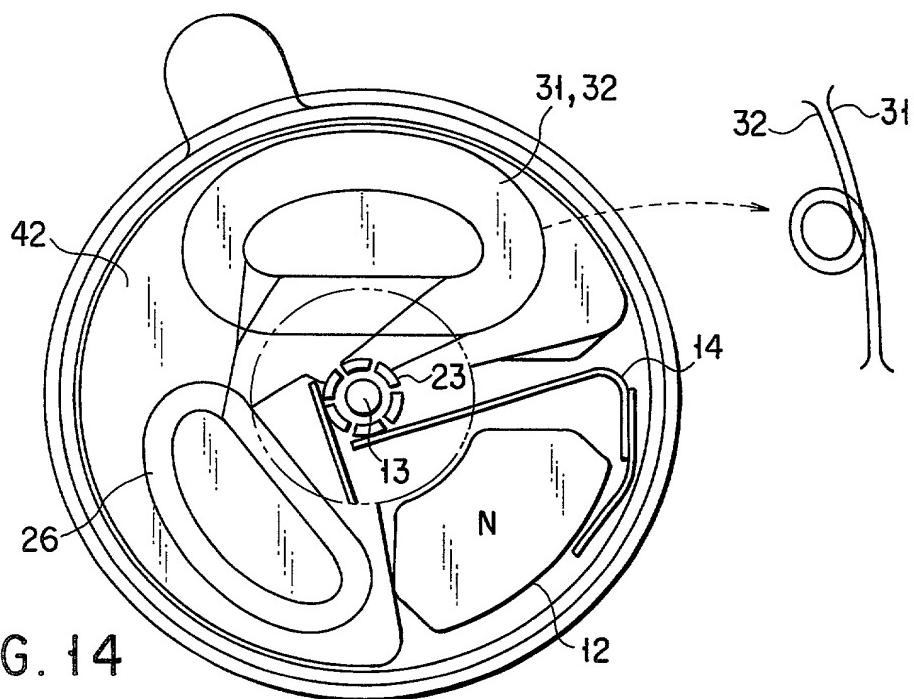


FIG. 14

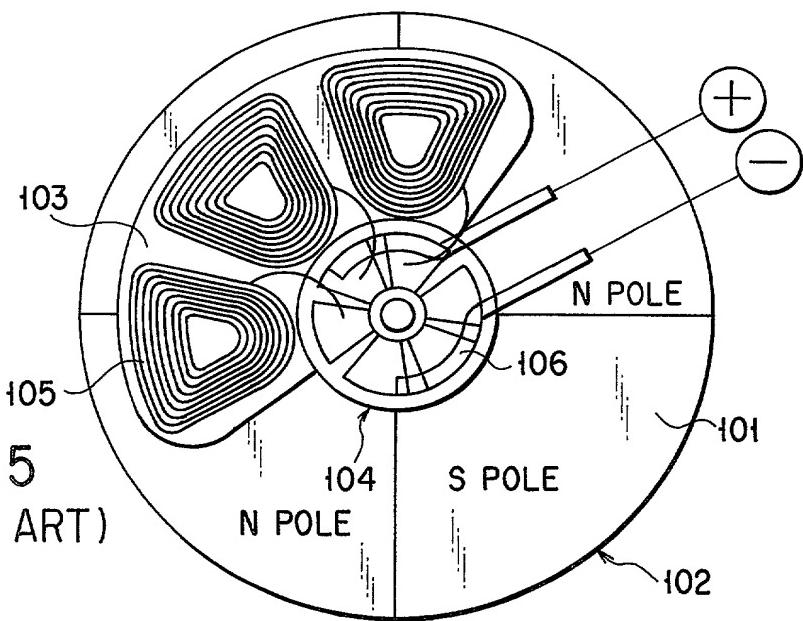


FIG. 15
(PRIOR ART)

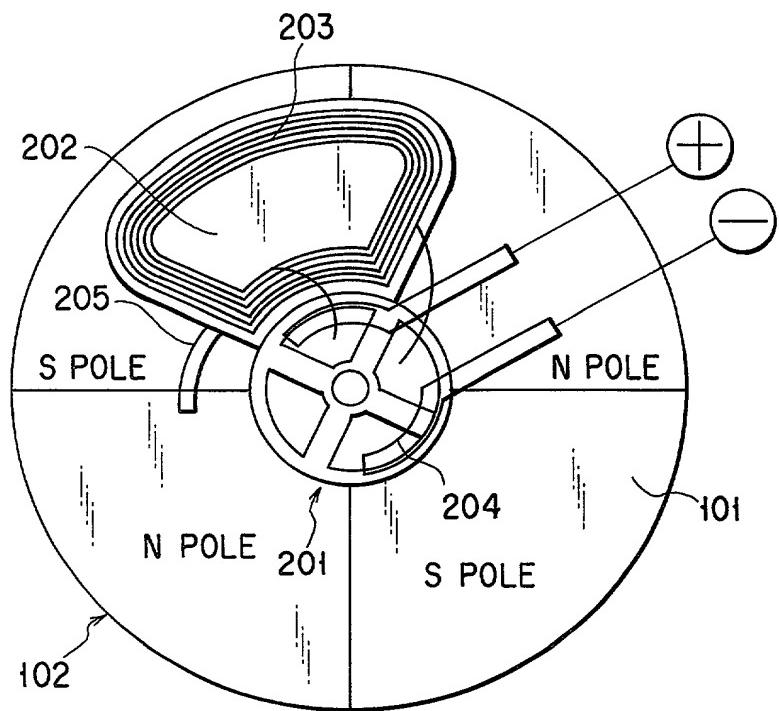


FIG. 16 (PRIOR ART)